ACTA RADIOLOGICA

Redactores

G. A. WETTERSTRAND

Helsingfors

A. REYN Köbenhavn

H. J. PANNER

Köbenhavn

S. A. HEYERDAHL

Oslo. H. THUE

Oslo

N. VOORHOEVE Amsterdam

L. G. HEILBRON Amsterdam

G. FORSSELL

Stockholm L. EDLING Lund

Editor

GÖSTA FORSSELL Stockholm



Collaborant

- IN DANIA: CHR. BAASTRUP, Köbenhavn; P. FLEMMING MÖLLER, Köbenhavn; C. SONNE, Köbenhavn.
- IN FENNIA: O. A. BOIJE, Helsingfors; N. EMELEUS, Tammerfors.
- IN HOLLANDIA: G. F. GAARENSTROOM, Amsterdam, S. KEIJSER, Groningen; H. W. STENVERS, Utrecht.
- IN NORVEGIA: H. GADE, Bergen; S. BAKKE, Bergen; A. W. SCHIANDER, Oslo.
- IN SUECIA: A. AKERLUND, Stockholm; E. BERVEN, Stockholm: H. LAURELL, Uppsala.

VOL. IV

1925

Stockholm: P. A. Norstedt & Söner

New York: Paul B. Hoeber Inc., 67-69 East 59th Street

STOCKHOLM 1925 KUNGL BOKTRYCKERIET, P. A. NORSTEDT & SÖNER 250230

Contents of Volume IV

Original Articles

Jean Bergonié. In Memoriam	G. Forssell 1
Investigation into the Biological Effect of Filtered and Unfiltered X-Rays, as Measured on Peas	L. Arntzen and C. Krebs 5
Etude sur la muqueuse gastro-intestinale après gastro-	man con and controls
entéroanastomose (Tab. I—XV)	H. Hellmer 32
Simulating Several of the Known Local Malacias	
(Tab. XVI—XVIII)	N. Silfverskiöld 44
Röntgenuntersuchung der Lunge nach Injektion von	N. Bujverskiola 44
Lipiodol in die Bronchien (Tab. XIX—XX)	S. Keijser 58
Einige Untersuchungen über Vorrichtungen zum Schutz	D. Reijser
gegen Röntgenstrahlen	R. Sievert 61
Proceedings of the Dutch Society for Electrology and	n. bieteri 01
Röntgenology	N. Voorhoeve 76
International Congress of Radiology, London 1925	81
Nordisk Förenings för Medicinsk Radiologi 4:de möte .	
Editorial	
An Objective Method for the Administration of X-Rays	
A Portable Instrument for the Measurement and Re-	
gistration of X-Ray Intensity	R. Sievert 129
Un cas de chondromatose unilatérale (Maladie d'Ollier)	
(Tab. XXI—XXII)	J. W. F. Jansen 133
Patella partita (Tab. XXIII)	H. Hellmer 137
Erfolge der Strahlenbehandlung des Hautkrebses	
	C. Ph. Wassink van
	Raamsdonk 146
Proceedings of the Danish Radiological Association 1922	A. O. Wolff 157
International Congress of Radiology, London 1925	170
Nordisk Förenings för Medicinsk Radiologi 4:de möte .	172
Investigations Concerning the Influence of Light on Fat	
and Kindred Substances. Therapeutical Experiments	
with a Preparation Produced from Irradiated Cod-	
Liver-Oil	V. Malmström 173
Röntgen Diagnosis in Osteitis Fibrosa and Tumours of	
the Bone System (Tab. XXIV—XXVIII)	S. Hansen 201
Morphologische Blutveränderungen nach radiologischer	
Behandlung von Uterus- und Mammakarzinom	A. Westman 220
A Rare Case of Injury of the Carpus: Dorsal Disloca-	
tion of the Multangulum Minus (Tab. XXIX)	J. Frank 281
Proceedings of the Dutch Society for Electrology and	
Röntgenology	N. Voorhoeve 285

Süd-Westdeutsche Röntgengesellschaft	288
and Armamentarium. I. Technique and Dosage A. Reyn and E. Collin	289
On the Treatment of Surgical Tuberculosis with Carbon	
Arc Light Bath S. A. Heyerdahl	
Roentgen Treatment of Glandular Tuberculosis P. Amundsen A Practical Method for Applying X-Rays 120—150 % of the Skin Dose to the Tumor without Injury to	340
the Skin W. Stenström,	
W. Mattick and	
B. Schreiner	347
Beitrag zur röntgenologischen Orientierung bezüglich des	
Hüftgelenkes beim Kinde (Tab. XXX—XXXI) R. J. Harrenstein	957
Torsion des Magens	363
Measurements of the Intensity of X-Rays	368
Über eine graphische Anordnung zur Bestimmung der	
Tiefendosis	
Editorial Notes	386
Nordisk Förenings för Medicinsk Radiologi 4:de möte	389
The Cancer Problem of the Female Breast. An Analysis Based upon 25 Years Personal Experiences with	
Radiation Therapy	391
The Roentgen Treatment of Surgical Tuberculosis L. Edling	397
General Light-Bath Treatment, Its Technique, Dosage and Armamentarium. II. The Plant and Equipment for General Light-Bath Treatment by means of Carbon Arc Lamps	457
Weitere Beiträge zur Röntgenologie der abdominellen	491
Mischgeschwülste	480
Invisible Changes in the X-Radiated Skin. An Experi-	
mental Study	499
Apparatus for Precise Radiography (Tab. XXXII) E. Lysholm	507
Erratum	511
Moderately Deep Radiotherapy J. Belot	513
Roentgen Therapy in Surgical Tuberculosis G. A. Wetterstrand .	
The Efficacy of Various Sources of Light in General	
Light-Bath Treatment	541
La lymphogranulomatose maligne	
Freies Gas in der Bauchhöhle	590
X-Ray Examination and Treatment in a Case of Psam-	04.0
mous, Peritoneal Papilloma	
E. Nielsen	603
Eine Verbesserung des Forssell'schen Durchleuchtungs-	
stativs	608
Proceedings of the Nordisk Förening för Medicinsk Radiologi. An Account of	
the Fourth Meeting of the Society, Helsingfors September 1st and 2nd 1925	611
List of Members of the Northern Societies for Medical Radiology	658
1st International Congress of Radiology	665
Erratum	665

2	1	3	
2	1	9	
3	1	00	

Proceedings of the Dutch Society for Electrology and Roentgenology,

edited by N. Voorhoeve

48th	Meeting,	Amsterdam	13th	April	1924
------	----------	-----------	------	-------	------

Special Cases of Enchondromata J. W. F. Jansen . Discussion: Dietz, Stenvers, Jansen, Dietz, Stenvers,		76
Dietz	×	76
Discussion of the Punktwärmetheorie of Dessauer L. G. Heilbron Discussion: Valken, Steenhuis, Hissink, Heilbron, Wiener, Lammers, Heilbron, Dietz, Hissink, Jansen,		76
Voorhoeve	0	77
Particulars about X-Ray Examination of the Skull D. J. Steenhuis		78 79
Demonstrations of Florid Cases of Gastric and Duodenal Ulcer		79 79
Alterations of the Petrous Bone, Caused by Paget's Disease		79
denbos	•	80
49th Meeting, Amsterdam 30th November 1924		
A Rare Case of Injury of the Carpus: Dorsal Dislocation of the Multangulum Minus J. Frank		285
X-Ray Examination of the Lungs after Injection of Lipiodol in the Trachea		
Two Cases of a Shadow in the Gallbladder-Region, not Originating from Gallstones		
A Few Remarks about Dosimetry and Demonstration of a Direct Indicating Dosimeter		287
L'influence de l'intensité et de la durée d'irradiation dans les résultats de la radiothérapie des tumeurs malignes		288

Proceedings of the Danish Radiological Association 1922,

edited by Aage O. Wolff

On treatment of Malignant Tumors with Radium Emanation	0.	Wissing 157
Demonstration of 2 Rare Cases of Gastric Tumors	P.	Flemming Möller . 157
New Arrangement for Adjustment and Filtration in Roentgen Treatment	C.	Baastrup 158
On Emanation Tubes	H.	M. Hansen 159
Radium Treatment of Cancer uteri ad modum Regaud Discussion: Chievitz, Gammeltoft, Collin, Reyn, Wisi		

Contents of the Proceedings of the Fourth Meeting of the Nordisk Förening för Medicinsk Radiologi

Minutes of the Ordinary Meeting	612
Scientific Transactions	614
Roentgen Treatment of Glandular Tuberculosis	P. Amundsen 614
General Light Treatment in Surgical Tuberculosis	Ole Chievitz 614
The Roentgen Treatment of Surgical Tuberculosis	L. Edling 615
On the Treatment of Surgical Tuberculosis with Carbon Are Light Baths	S. A. Heyerdahl 616
On Phototherapy in Surgical Tuberculosis	S. A. Heyerdahl 616
Some Experiences in connection with Light-Treatment in Cases of Surgical Tuberculosis	V. Malmström 620
Light-Bath Treatment	A. Reyn 620
Roentgen Therapy in Surgical Tuberculosis	G. A. Wetterstrand 621
When Should Roentgen Treatment of Lymphomata be combined with Surgical Interference Discussion: Ottosen, Reyn, Forssell, Edling, Heyer- dahl, Reyn, Forssell, Reyn, v. Bergen, Reyn, Forssell	M. Simon 622
Colic Invagination	
Discussion: Baastrup, Panner	
A Few Words on Annular Shadows in the Lungs	

A Contribution to the Diagnosis of Epiphyseal Separations	B. Werenskiold .		. 635
Hernia diaphragmatica foraminis oesophagi			
Discussion: Edling, Scholander			. 636
Teaching in Medical Radiology			
The Instruction in Medical Radiology in Norway Discussion: Panner, Heyerdahl, Forssell, Edling,			
Simon			640
Case of Pneumo-Cephalus			
Roentgenograms of Ascaris in the Intestinal Canal			
Some Remarks on Capsular Chondromatosis			
A Contribution to the Knowledge of Alterations in Shape	11. g. lunner		. 010
occurring in the Normal Ventricle	S. Arnell		. 647
A Case of General Osteitis Fibrosa			
Discussion: Forssell			
The Treatment of Cancer Buccae			
Roentgen Treatment of Polycythemia (Vaquez' Disease)			
The Cancer Problem of the Female Breast	A. Soiland		. 650
Roentgen Treatment for Hypertrophy of the Prostate .			
Experiences with Radiological Treatment of Cancer of			
the Corpus Uteri at »Radiumhemmet»	J. Heyman		. 651
The Need of Some Simple, Uniform Safety Regulation			
for the Installation of Roentgen Plants	R. Holmsen		. 651
On the Question of the Effect of Roentgen Rays on			
Blood-vessels	G. Jansson		. 652
A Case of Fibromatosis Cutis cured by Roentgen Treat-			
ment			
Roentgen Symptoms in Abdominal Discharges	H. Laurell		. 653
List of Members attending the Congress			. 655

ng

Index to volume IV

(Original Articles)

Roentgen Diagnostics	Epiphyseal Separations
Nervous System	Contras Protoss
X-Ray Examination of the Skull 78	Uro-Genital System
Pneumo-Cephalus 644	Weitere Beiträge zur Röntgenologie der ab- dominellen Mischgeschwülste 480
Digestive Tract	
Etude sur la muqueuse gastro-intestinale après gastroentéroanastomose 32	Roentgen Therapy
Florid Cases of Gastric and Duodenal Ulcer 79 Rare Cases of Gastric Tumors	Investigation into the Biological Effect of Filtered and Unfiltered X-Rays, as Measured on Peas
	120-150 % of the Skin Dose to the Tu-
Lungs and Pleura	mour without Injury to the Skin 347
Röntgenuntersuchung der Lunge nach In- jektion von Lipiodol in die Bronchien 58 Annular Shadows in the Lungs 634 Diseases and Fractures of Bones	The Cancer Problem of the Female Breast 391 The Roentgen Treatment of Surgical Tuberculosis
and Joints	La Lymphogranulomatose maligne 567 Roentgen Therapy in Surgical Tuberculosis 528
A Forme Frustes of Chondrodystrophia with Changes Simulating Several of the Known (Local Malacias)	X-Ray Examination and Treatment in a Case of Psammous, Peritoneal Papilloma 603 Roentgen Treatment of Glandular Tuber-
Alterations of the Petrous Bone, Caused by Paget's disease	culosis
Un cas de chondromatose unilatérale (Ma-	losis
ladie d'Ollier)	Roentgen Treatment of Lymphomata Com-
Patella partita	bined with Surgical Interference 622 Roentgen Treatment of Polycythemia (Va-
Tumours of the Bone System 201	quez' Disease) 649
A Rare Case of Injury of the Carpus: Dor-	Cancer Probleme of the Female Breast 650
sal Dislocation of the Multangulum Minus 281	Roentgen Treatment for Hypertrophy of
Shadow in the Gallbladder-Region not Originating from Gallstones 286	the Prostate
Beitrag zur röntgenologischen Orientierung	Fibromatosis of Cutis Cured by Roentgen-
bezüglich des Hüftgelenkes beim Kinde 357	Ray Treatment

Radium Therapy	Über eine graphische Anordnung zur Bestimmung der Tiefendosis
Erfolge der Strahlenbehandlung des Haut- krebses	
Radium Treatment of Cancer Uteri ad modum Regaud	Phototherapy General Light-Bath Treatment. I. Technique and Dosage
Radiological Treatment of Cancer of the Corpus Uteri at «Radiumhemmet» 651	nique, Dosage and Armamentarium. II. The Plant and Equipment for General Light-Bath Treatment by Means of Car- bon Arc Lamps
Phototherapy	The Efficacy of Various Sources of Light
Investigations Concerning the Influence of Light on Fat and Kindred Substances.	in General Light-Bath Treatment 541
Therapeutical Experiments with a Pre- paration Produced from Irradiated Cod-	Roentgen Physics
Liver-Oil	Emanation Tubes
General Light-Bath Treatment, Its Technique, Dosage and Armamentarium. II.	Protection
The Plant and Equipment for General Light-Bath Treatment by Means of Car- bon Are Lamps	Einige Untersuchungen über Vorrichtungen zum Schutz gegen Röntgenstrahlen 61 Safety Regulation for the Installation of Roentgen Plants 651
General Light Treatment in Surgical Tu- berculosis	Obituaries and Biographies
berculosis	Jean Bergonié, In Memoriam 1
Light-Treatment in Cases of Surgical Tu- berculosis	Teaching in Radiology
Various Sources of Light in General Light- Bath Treatment	Teaching in Medical Radiology 638 Teaching in Medical Radiology in Norway 639
Technique	Societies, Congressies and
Roentgen-Examinations	Assemblies
Emanation Tubes 159	Proceedings of Nordisk Förening för Medi-
Apparatus for Precise Radiography 507 Eine Verbesserung des Forssell'schen Durch- leuchtungsstativs 608	cinsk Radiologi
Roentgen Therapy	International Congress of Radiology, Lon-
An Objective Method for the Administra-	don 1925 83, 170, 386, 665 Süd-Westdeutsche Röntgengesellschaft 288
tion of X-Rays	Council of the Nordisk Förening för Me-
ment and Registration of X-Ray Inten-	dicinsk Radiologi
New Arrangement for Adjustment and Fil-	Förening för Medicinsk Radiologi 659 List of Members of the Societies for Me-
tration in Röntgen Treatment 158	dical Radiology in:
Dosimetry and Demonstration of a Direct Indicating Dosimeter	Denmark
A Practical Method for Applying X-Rays	Finland
120-150 % of the Skin Dose to the Tu- mour without Injury to the Skin 347	Norway

List of Authors

Cited in Volume IV*

Ackermann, 603, 606. Ahlfeld, 490. Aime, 481, 482. Akerlund, 49, 55, 79, 636. Albers-Schönberg, 65, 221, 507. Albert-Weil, 442. Albrecht, 438 Alexander, 481, 495. Alrutz, 194. Altschul, 406, 416. Amundsen, 340, 614, 622, 623, 652. Ångström, 11, 515. Anschütz, 208, 435. Appelberg, 235. Arcelin, 281. d'Arcus, 214. Arisz, 286. Arndt-Schultze, 77, 400. Arnell, 647. Arneth, 226. Arnold, 226, 227. Arntzen, a Assmann, 593, 597. Aubertin, 222, 223, 224, 225, 259, 263.

Baastrup, 158, 202, 205, 207, 208, 209, 218, 603, 604, 605, 633, 634, 640. Bach, 315, 563. Bacmeister, 398, 399, 439. Badolle, 594. 427, 429, 435, 443, 445, 447. Bager, 597. Baisch, 399, 400, 404, 405, 407, 408, 409, 414, 418, 424, 442, 628, 629. Bakke, 649. Bancroft, 597 Bang, 544, 545. Baradulin, 236. Barclay, 387. Barjon, 401, 402, 407, 594. Barkla, 375, 414. Baroni, 176, 183. Basedow, 501. Baudou, 608. Bauer, 213.

Beaujard, 222, 223, 224, 225, 259, 263. Beck, 427, 432, 434, 435, 439. 440, 441, 442, 445, 446, 447, 448, 449, 450. Béclère, 414, 593. Becquerel, 3. Becton, 6. Belfrage, 603. Belot, 513. Bence-Jane, Beneke, 214 Benjamin, 224. Benoist, 518. Bentzon, 135. Berg, 197. von Bergen, 632. Bergonie, 1, 2, 3, 4, 398, 399, 401, 404, 409, 414, 424. Bernays, 142. Bernhard, 313, 315, 541, 545, 548, 617, 631. Berven, 648 Bier, 418, 424, 443. Billroth, 41. Bircher, 426, 427, 428, 429, 430. Bleidorn, 6. Bloodgood, 215, 217. Blos, 412 Blunt, 542. Bochenheimer, 212. Bock, 231, 259. Bojesen, 135. Bolognesi, 214. Bonin. 6. Bonnamour, 594. Bonnet, 542. Bonney, 6. von Bonsdorff, 235. Borchgrevink, 425. Bordier, 414. Bormann, 231, 268. Böttlin, 493. Bouwers, 287, 368. Boysen Jensen, 29. Bozzolo, 223. Brams, 596, 597

Brandes, 358, 359.

Broca, 442, 446, 625.

Brasser, 427. Brauer, 592. Brocq, 524.
de Broglie, 386.
Brown, 568.
von Brun, 449.
Brünings, 438.
Brütt, 595.
Burky, 517.
Budde, 53, 54.
Bull, 213.
Bunting, 568.
Busck, 291, 544.
Calot, 358, 401.
Calvé, 49, 54, 55, 56, 57.

Chabaud, 522.
Chambers, 225.
Chaoul, 569.
Chievitz, 163, 167, 307, 614, 616.
Chilaiditi, 598.
Christensen, 289, 293, 294, 457, 476, 559.
Claessen, 340.
Cohn, 591, 592.
Coley, 217.
Collin, 164, 167, 168, 289, 290, 292, 457, 559.
Coolidge, 517, 552, 523.
Copher, 597.
Cotte, 594.

Dahm, 597.
Dandy, 597.
Danielson, 58, 60.
David, 260.
Debicki, 440.
van Delden, 286.
Delore, 594.
Dernhy, 183.
Dessauer, 76, 77, 86.
Destot, 281, 283.
Deyke, 398.
Dietrich, 450, 594.
Dietz, 76, 77, 285.
Disson, 409, 415.
Driessen, 285.
Doebereiner, 542.

Calloch, 401.

Cushing, 78

Czerny, 425.

Curie, 3.

^{*} The full-faced figures refer to original articles.

Dorno, 546, 548, 549. Dowd, 413. Downes, 542. Dupasquier, 594. Dupuytren, 525.

Edeiken, 489.
Eder, 174, 184.
Ediing, 340, 341, 342, 344, 397, 594, 615, 625, 626, 627, 629, 630, 636, 643.
Ehrlich, 235.
Eiken, 603.
Ellermann, 207, 234, 603, 604.
Elster, 547.
Enderle, 142
Erdheim, 213.
Ernst, 290, 307, 317, 550.
Evlers, 7.

Fabrizius-Möller, 225.

Failla, 85.

Frik. 610.

Fritsch, 414.

Fründ, 593.

Fritz, 591, 645.

Frommolt, 591.

Fürnrohr, 413.

Fürstenan, 25.

Fürstenberg, 226.

Falkenburg, 593. Fagge, 481. Fehling, 181, 184. Felicitas Felten, 547. Filke, 213. Finkelstein, 413. Finsen, 290, 541, 542, 543, 544, 545, 564, 565, 620. Fischer, 157, 158, 594, 635, 640. Flaichlen, 603. Fleischner, 142, 143. Flemming Möller 56, 157, 216, 217. Forestier, 58.
Forssell. 1, 32, 34, 36, 39, 42, 43, 49, 65, 74, 158, 159, 220, 233, 387, 401, 414, 507, 610, 626, 629, 630, 631, 632, 638, 642, 643, 644, 648. Frangenheim, 49, 213. Frank, 281, 285, 425. Freund 435, 442, 487. Friederich, 8, 227. Friedrich, 415, 521.

Gabriel, 250. Gammeltoft, 157, 163, 167. Gangele, 215. Gardener, 401. Garré, 413, 447, 449, 450. Gaus, 8. Gauvain, 387, 552. Geitel, 547. George, 142.
Giemsa, 234.
Gillet, 569.
Gillet, 569.
Gilmm, 217.
Glocker, 78, 74, 372.
Göcke, 35.
Goctze, 35.
Gosset, 481.
Gouin, 523.
Grashey, 142, 217, 597.
Graves, 286, 520, 525.
Grosse-Bohlen, 184.
Gruber, 144.
Grünwald, 234.
Gudzent, 225.
Guilleminot, 414, 521.
Gundermann, 261

von Haberer, 204, 214. Haberland, 398. Hacher, 625. Haenisch, 591, 593. Hagemann, 298, 313, 314, 563. Haglund, 49, 55. Hansen, 29, 159, 164, 201, 605. Harbitz, 213. Harrenstein, 357. Harres, 493, 494. Hartmann, 212. Hasselbach, 315. Hasselbalch, 290, 291, 309. van Hasselt, 135. Hastings, 6 Haudek, 597 Hausmann, 176. Hausser, 548. Haxthausen, 199, 499. Heilbron, 76, 77. Heim, 231. Heinecke, 221, 222, 223, 224, 225, 263, 398, 401, 419. Helber, 223, 225. Hellman, 447, 448, 449, 450. Hellmer 32, 137. Henri, 176, 183. Herrik, 262. Hertvig, 6. Hess, 175. Hesselberg, 617. Heyerdahl, 313, 340, 342, 511, 545, 616, 628, 629, 631, 639, 642, 643. Heyman, 233, 651. Hirschfeld, 216. Hissink, 77. Hockstra, 76. Hoffmann, 6, 8. Hofmeier, 487, 489.

Hohlbaum, 213.

Holfelder, 415, 417, 427, 430, 433, 435, 443, 445, 446, 449,

Holding, 568.

450.

Holland, 142, 387. Holm, 484, 596, 597. Holmgren, 48, 49. Holmsen, 651. Holthusen, 6, 8. Holzknecht, 77, 223, 400, 402, 404, 413, 418, 518, 535. Hörnicke, 446. Hutchinson, 53.

Iselin, 341, 344, 400, 401, 402, 404, 406, 407, 412, 414, 418, 419, 424, 426, 427, 442, 443, 446, 447, 448, 449, 450, 451, 452, 615.

Jabonlay, 594.
Jaches, 597.
Jacobsen, 164.
Jahrn, 11.
Jacobæns, 591, 593.
Jansen, 76, 77, 133, 291, 544.
Jansson, 613, 644, 652.
Jansson, 613, 644, 652.
Jenkinson, 49.
Jesioneck, 298, 563.
Joachimsthal, 142, 143.
Johannsen, 8, 16.
Johansen, 555, 556.
Johansen, 555, 556.
Johnston, 400.
Josephson, 483.
Jouvean-Dubrenil 523.
Jungling, 5, 7, 399, 400, 403, 405, 413, 416, 417, 421, 424, 428, 429, 430, 431, 432, 433, 434, 435, 438, 441, 442, 443, 444, 445, 447, 448, 449, 450.

Kaboth, 489, 494. Kaegi, 262. Kallenbach, 261. Kappis, 56, 274. Karewski, 495. Keijser, **58**, **285**, 286. Kempf, 592. Kenez, 597. Kienböck, 54, 56, 399, 401, 402, 404, 414, 417, 424, 577. Kimmerle, 557. Kirmisson, 442. Klein, 398 Klestadt, 212. Klewitz, 570. Knox, 78, 387, 388, 402. Koblanck, 489. Koch, 584, 585, 603. Kocher, 216. Koennecke, 424, 446. Kohler, 400, 445, 447, 450, 451, 453, 615. Köhler, 54, 55, 56, 57, 142, 143,

217.

Kolazek, 213.
Kolde, 231.
König, 409, 424, 443, 447, 448, 449, 450.
Konjetzny, 207, 208, 214, 215.
Krall, 398.
Krause, 225.
Krebs, 5, 266.
Krecke, 424.
Kromayer, 544, 555, 556.
Krönig, 8, 227, 415.
Krüger, 8.
Krüser, 82.
Kugelmass, 175, 181.
Kundrat, 158.
Küpferle, 398, 399.
Küttner, 442.

Lagerberg, 174. Lammers, 77. Lang. 427, 432, 437. Lange, 569. Langenskjöld, 213. Langhans, 190, 603. Langley, 546. Larsen, 552, 553, 558. Larsen, 264. Laurell. 480, 495, 590, 634, 645, 653. Lazarus Barlow, 6. Legg, 49, 54, 55, 56, 57. Lembcke, 8. Lenck, 592, 593, 596, 597, 598, 599. Leonard, 142. Levy-Dorn, 595, 597. Lewin, 49, 186. Lexer. 214, 424, 443, 447, 480, 487 Lick, 224. Lindemann, 516, 517. Lindhagen, 197. Linser, 223, 224, 225. Loevi, 225. London, 221 Lönnberg, 188. Looser, 49. Lorey, 593. Lotsch, 214. Lubartsch, 215. Ludewig, 489. Lüdin, 427. Ludwig, 274. Lucke, 603. Lugol, 188. Lullies, 570 Lundqvist, 378. Lynham, 387. Lysholm, 264, 507, 608.

Maar, 291. Madelung, 77. Mahar, 442, 446, 625.

Malmström, 173, 620, 626. Malpighi, 518, 519. Manfred, 58, 60. Marfan, 53. Marie, 80. Markovits, 6. Martens, 231. Martijn, 375. Martin, 78. Martius, 417 Mattick, 347, 569, 570. May, 234. Mayer, 437. Mayet, 142. Mc Clellan, 481, 489. Mc Quarrie, 175, 181. Meckel, 492. Meisels, 363. Melville, 387. Ménard, 438. Menne, 407 Menzer, 439 Meyer, 8, 562. Meyer-Betz, 597. Meulengracht, 218. Miller, 603. Moje, 398, 399, 440. Molineus, 213. Moll, 369, 407, 412, 414, 427, 445, 446, 447, 449, 450. Möllerström, 177, 180, 197. Mönckeberg, 215. Moreau, 594. Mörner, 185. Morton, 275, 387. Most, 341, 402. Mottram, 225. Monchet, 142. Moynihan, 386 Much, 174, 398. Muir, 387. Mühlmann, 407, 415, 424, 446. Müller, 54, 56, 216, 259, 261, 403, 404, 406, 407. von Muralt, 592. Murphy, 275.

Naeslund, 488, 594.
Nasse, 216.
Nathanson, 53.
Neuberg, 176.
Neves, 413.
Nielsen, 608.
Nilsson, 199.
Nitter, 650.
Noiré, 523.
Nordrum, 647.
Noordenbos, 78, 79, 80.
Nowik, 489, 491.
Nowicki, 366.
Nürnberger, 226.
Nyeholt, 281.
Nyström, 480, 485, 591.

Olivier, 603. Ollier, 135, 542. Opitz, 261. Osgood-Schlatter, 54, 55. Ottosen, 623, 626. Pagenstecher, 425. Paget, 79, 80. Paline, 186. Pancoast, 400. Panner, 29, 157, 202, 204, 205, 206, 218, 623, 633, 634, 640, 643, 646, 647. Paquelin, 207. Paus, 647. Payr, 435, 443. Pel, 570. Perthes, 6, 49, 54, 55, 56, 57, 143, 414, 442, 443, 444, 448. Perussia, 593. Petersen, 399, 405, 408, 414, 418, 424, 447, 448, 449, 450. Petrén, 591, 596. Petri, 211. Peyser, 400, 403, 405, 406, 407. 408, 412, 416, 418, 421, 424. Pezzer, 650. Pfahler, 400. Pfitzner, 143. Phillips, 387 Pinatelle, 594. Pirie, 401. Pirquet, 207, 402, 404. Platt, 54. Pless, 481, 482. Polak, 286. Pommer, 214. Poncet, 542. Popovie, 591. Popper, 597. Portal, 142. Potter-Bucky, 65. Poyet, 438.

de Qurvain, 398, 399, 424.

Radziszewski, 175, 180.
Rambud, 142.
Rapp. 406, 409, 412, 415, 435, 442.
Rasch, 499.
Recklinghausen, 78, 201, 210, 211, 213, 218, 219.
Redard, 401.
Regaud, 163, 164, 165, 167, 168, 169, 288.
Rehn, 215.
Reinbold, 142.
Reinbald, 142.
Rendich, 33, 34, 39.
Reyn, 157, 165, 168, 289, 290, 291, 292, 318, 340, 341, 405, 409, 410, 414, 416, 417, 421, 422, 423, 451, 452, 453, 457,

476, 501, **541**, 615, 617, **620**, **625**, 627, 629, **630**, **632**, 633, 640,

Reuss, 224. Reuterwall, 38. Reutherborg, 198. Rhese, 78. Richard, 547.

40.

18.

14,

50.

07.

24.

35,

10.

68.

15. 15. 17.

Rickmann, 439, 440, 441. Rieder, 591. Risse, 261.

Ritter, 8, 398, 399, 440. Roentgen, 3. Rohnstein, 236. Rollestone, 387

Rollier, 304, 313, 315, 545, 548, 549, 617. Römer, 174. Rose, 425.

Rosenthal, 591, 597. Roser-Nelaton, 45. Røssel, 603. Rost, 8, 213. Rubow, 290, 309.

Rudis-Jicinsky, 442. Rudolphi, 142 Ruitinga, 570.

Runström, 340, 342, 405, 412, 414, 417, 420, 421, 627.

Russ, 225 Russel, 173, 176, 184.

Sabouraud-Noiré, 414. Sahli, 234. Santesson, 188 Saupe, 142, 143. Schanz, 548, 557. Schaper, 6. Schede, 442

Schellog, 274. Schenck, 593, Schläpfer, 178, 179, 180. Schlätter, 143.

Schlecht, 274.

Schmerz, 442. Schmidt, 7, 174, 418, 492, 494, 603.

Schmieden, 443. Schmorl, 213. Schoemaker, 286. Scholander, 637. Schottmüller, 597. Schreiner, 347, 569, 570. Schröder, 435, 436. Schuetze, 603. Schulz, 439.

Schulze, 175 Schuster, 214. Schwartz, 7, 224, 418. Schwarzbild, 375. Schweitzer, 226, 227. Scott, 225, 387.

Secher, 218. Seemann, 368, 376, 377. Seiffert, 142. Seitz, 347, 415, 417, 430. Senn, 221.

Shattuck, 426.

Sicard, 58. Siegel, 229, 230, 239, 242, 263, 266, 267.

Siegert, 53 Sielman, 287. Sievert, 61, 129. Silfverskiöld, 44. da Silva-Mello, 225.

Simon, 216, 217, 622, 629, 644. Sinding-Larsen, 54, 55, 143.

Sluka, 224 Snapper, 570. Söderlund, 480, 483. Soiland, 391, 650. Solomon, 25, 26. Sonne, 290, 291, 548.

Spéder, 404. Sprengel, 592.

Stark, 415. Starker, 625. Stenhuis, 77, 78, 79, 80, 285. Steinhoff, 492, 493, 494.

Stegemann, 593, 597, 598, 599. Stenbock, 175, 187.

Stenbeck, 347. Stenström, 347. Stenvers, 76, 79, 80. Stephan, 259, 400, 430, 438,

445, 450, 451, 453, 615. Stepp, 421, 424, 426, 427, 429, 430, 431, 432, 433, 434.

Sternberg, 583, 584. Stich, 591. Stida, 603. Strauss, 236.

Strisover, 274. Ström, 36

Teissier, 398. Terillan, 215. Thone, 425. Thorell, 41. Tietze, 206.

Timmer, 281, 285. Tixier, 409.

Trauner, 492. Treber, 226. Trendelenburg, 45. Tribondeau, 2, 399. Tscherning, 217.

Turnure, 438. Ullman, 435. Urbans, 592.

Vahle, 548. Valken, 76, 77, 79. Vallas, 594. Vassilides, 442. Vaughan, 596, 597. Vestberg, 188, 189, 190. Villard, 522. Virchow, 603. Voelcker, 413, 424.

Vogt, 432, 436, 437, 438. Volkmann, 591.

Voltz, 378, 379, 383, 384, 385. Voorhoeve, 76, 77, 281, 285, 287, 567.

de Vries, 583. Vulpius, 313, 314, 442, 545, 546.

Wagner, 231. Waldenström, 49, 54, 55, 56, 57. Waldeyer, 606.

Waller, 197. Wallin, 198.

Wassermann, 46, 53, 189, 203, 207, 208, 209, 210, 211, 353, 402, 603, 648.

Wassink, 146. Wassink-van Raamsdonk, 146

Weber, 142, 215. Wedd, 6.

Weibel, 427, 429, 437. Weil, 597.

Weiland, 597. Weiss, 135, 363, 365. Werenskiold, 635.

Werner, 288, 398 Wertheimer, 226, 227, 228, 229, 230, 263, 266.

Wessel, 218, 604. Wessler, 597.

427, 433, 434, 439, 442, 446, 447.

Wetterstrand, 528, 621.

White, 78. Widmark, 542. Wiener, 77. de Wilde, 79. Williams, 400.

Wilms, 400, 424, 438, 439, 448.

Wingård, 174. Winkler, 438.

Winterstein, 175. Wintz, 347, 415, 417, 430. Wissing, **157**, **163**, 164, 165,

166, 167. With, 303. Wittek, 135. Woldringh, 287. Wolff, 157. Wolmershäuser, 260. Wrede, 215.

Wright, 142. Yates, 568.

Ziegler, 225, 572. Zilva, 174, 184. Zink, 592. Zoellner, 225. Zumpe, 231.



